

PUB-NO: EP000680863A1
DOCUMENT-IDENTIFIER: EP 680863 A1
TITLE: Brake system with dual
control and condition
monitoring.
PUBN-DATE: November 8, 1995

INVENTOR-INFORMATION:

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APPL-NO: EP95400719

APPL-DATE: March 31, 1995

PRIORITY-DATA: FR09405630A (May 6, 1994)

INT-CL (IPC): B60T013/72 , B60T007/12 ,
B60T008/48

EUR-CL (EPC): B60T007/12 , B60T008/48 ,
B60T013/72 , B60T007/04

ABSTRACT:

The braking system includes the brake pedal

(3) which moves the control rod (4) of the servomotor (2) in order to actuate the master cylinder (1). The control rod is jointed (4a) to a lever (9) pivotable about the fixed axis (10) of the pedal, whose position is detected by an electrical contact (7) connecting a positive voltage (+V) to a computer (5) when the pedal is depressed. The computer receives other signals denoting esp. the rotation of the wheels. It opens and closes an electric valve (6) for servomotor control. Another contact (12), sensing rotation of the lever, works through a hole (13) in the pedal to switch-on a warning lamp (8). 